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**FERNALD OPERABLE UNIT 2 TREATABILITY
STUDY: WORK PLAN FOR FLYASH/LIME
SLUDGE STABILIZATION**

11/08/93

**DOE-0198-94
DOE-FN/EPA
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LETTER
OU2**



Department of Energy
Fernald Environmental Management Project
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DOE-0198-94

Mr. James A. Saric, Remedial Project Director
U.S. Environmental Protection Agency
Region V - 5HRE-8J
77 W. Jackson Boulevard
Chicago, Illinois 60604-3590

Mr. Graham E. Mitchell, Project Manager
Ohio Environmental Protection Agency
40 South Main Street
Dayton, Ohio 45402-2086

Dear Mr. Saric and Mr. Mitchell:

**FERNALD OPERABLE UNIT 2 TREATABILITY STUDY: WORK PLAN FOR FLYASH/LIME
SLUDGE STABILIZATION**

In support of the Operable Unit (OU) 2 Feasibility Study (FS), a Work Plan has been developed to complete a treatability study for mixing flyash, lime sludge, and clay to produce a low permeability product with favorable leaching characteristics that can be used as backfill.

For the purposes of conducting the treatability study, representative samples will be collected from the Lime Sludge Ponds, the Active Flyash Pile, and the Inactive Flyash Pile. Four locations were selected for the North Lime Sludge Pond and four locations were selected from the South Lime Sludge Pond by dividing each pond into quadrants and selecting one sample location from each quadrant. Similarly, sample locations were selected in the Active Flyash Pile by dividing the pile into quadrants.

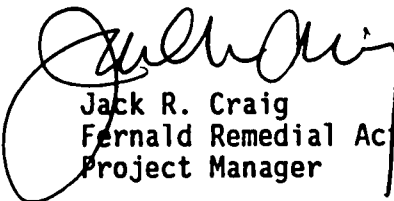
For the Inactive Flyash Pile, four sample locations were identified from the southern half of the pile and four sample locations were identified from the northern half of the pile. Sample locations were selected by dividing each half of the pile into quadrants and then selecting one location per quadrant. Samples were collected from the northern portion of the pile because existing boring logs indicated that clay layers were more prominent at those locations. Clay samples are required because it will be evaluated as an additive in the treatability study.

This letter transmits a copy of the OU 2 Treatability Study Work Plan for Flyash/Lime Sludge Stabilization. Once the study has been completed, results will be incorporated into the FS or a separate report will be submitted to you detailing the results.

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If you or your staff have any questions regarding this document, please contact Rod Warner at (513) 648-3156.

Sincerely,


Jack R. Craig
Fernald Remedial Action
Project Manager

FN:Shroff

cc:

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